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Acidic abrasive compsn. for polishing aluminium (alloy) substrate -  
comprises alumina and colloidal alumina in aq. soln. of gluconic or  
lactic acid and sodium gluconate

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Number of Countries: 002 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 4915710	A	19900410	US 89324057	A	19890316	199024 B
JP 2084485	A	19900326				199024
JP 92038788	B	19920625	JP 88235545	A	19880920	199230

Priority Applications (No Type Date): JP 88235545 A 19880920

Patent Details:

Patent No	Kind	Lang	Pg	Main IPC	Filing Notes
JP 92038788	B		5	C09K-003/14	Based on patent JP 2084485

Abstract (Basic): US 4915710 A

Polishing compsn. comprises acidic aq. slurry contg. 3-25 wt. %  
alpha-alumina with average particle size of 0.5-15 micron and 25 micron  
max. size, 0.1-3 wt. % gluconic and/or lactic acid as polishing  
accelerator and 0.1-5 wt. % colloidal alumina as surface modifier, pH is  
3-5 and further accelerator comprising sodium gluconate and/or lactate  
is pref. included.

Substrate is pref. anodised or nickel-phosphine plated.

ADVANTAGE - Safer replacement for corrosive and hazardous compsns.  
contg. Al nitrate in strong acid compsn. Useful for magnetic recording  
disc substrates. (6pp Dwg. No. 0/0)

Derwent Class: E12; E17; L03; M11; M13; P61; T03

International Patent Class (Main): C09K-003/14

International Patent Class (Additional): B24D-003/02; G11B-005/84